

## CLAIMS

1. A receiver comprising:

a buffer for temporarily storing data received from a transmission path;

and

control means for monitoring an amount of accumulation in said buffer,

5 and sending a predetermined control signal to the transmission path based on a result of the monitoring when the amount of accumulation exceeds a predefined threshold or falls short of the threshold.

2. The receiver according to claim 1, comprising a decoder for retrieving data from said buffer and decoding the retrieved data,

wherein said control means controls such that data is received before data in said buffer is exhausted.

3. A receiver comprising:

monitoring means for monitoring a receiving situation from a transmission path; and

5 control means for sending a predetermined control signal to the transmission path when the receiving situation changes to a predefined situation.

4. The receiver according to claim 3, wherein said predefined situation is a radio handover.

5. A transmitter comprising:

an accumulation unit for storing at least two types of media signals at different bit rates;

- switching means for receiving a control signal from a transmission path,  
5 and retrieving the media signal from said accumulating unit with switching a bit rate of the media signal based on the control signal; and

means for encoding the retrieved media signal for transmission to the transmission path.

6. A transmitter comprising:

an accumulation unit for storing at least two or more types of files in which at least two types of media signals at different bit rates are stored;

- means for receiving a control signal from a transmission path, switching  
5 a file to be retrieved based on the control signal, and retrieving the file from said accumulation unit; and

means for encoding a media signal in the retrieved file, for transmission to the transmission line.

7. A transmitter comprising:

an accumulation unit for storing a media signal;

- converting means for receiving a control signal from a transmission path,  
and retrieving the media signal from said accumulation unit with converting a bit  
5 rate based on the control signal; and

means for encoding the media signal retrieved from said converting  
means for transmission to the transmission path.

8. A transmitter comprising:

an accumulation unit for storing a media signal; and  
means for reading and delivering the media data from said accumulation  
unit based on a control signal received from a transmission path, at time  
5 intervals different from time intervals at which the media signal was encoded.

9. A transmission/reception system comprising a transmitter for  
transmitting a media signal to a transmission path, and a receiver for receiving  
a media signal through the transmission path from said transmitter, wherein:

said receiver comprises:

5 a buffer for temporarily storing a media signal from said transmitter;  
monitoring means for monitoring an amount of accumulation in said  
buffer; and

control means for sending a control signal to the transmission path when  
the amount of accumulation exceeds a predefined threshold or falls short of the  
10 threshold, and

said transmitter comprises:

accumulating means for storing at least two types of media signals at  
different bit rates; and

means for receiving the control signal sent from said receiver to the  
15 transmission path, and retrieving the media signal from said accumulating  
means with switching the bit rate based on the control signal.

10. A transmission/reception system comprising a transmitter for  
transmitting a media signal to a transmission path, and a receiver for receiving  
a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 a buffer for temporarily storing a media signal from said transmitter;  
monitoring means for monitoring an amount of accumulation in said  
buffer; and  
control means for sending a control signal to the transmission path when  
the amount of accumulation exceeds a predefined threshold or falls short of the  
10 threshold, and  
said transmitter comprises:  
accumulating means for storing at least two or more types of files in  
which at least two types of media signals at different bit rates are stored;  
means for receiving the control signal sent from said receiver to the  
15 transmission path, switching a file to be retrieved based on the control signal,  
and retrieving the file from said accumulating means; and  
means for encoding a media signal in the retrieved file for transmission  
to the transmission path.

11. A transmission/reception system comprising a transmitter for  
transmitting a media signal to a transmission path, and a receiver for receiving  
a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:  
5 monitoring means for monitoring a receiving situation on the  
transmission path; and  
control means for sending a control signal to the transmission path when  
the receiving situation changes to a predefined situation, and  
said transmitter comprises:  
10 accumulating means for storing at least two types of files in which at  
least two types of media signals at different bit rates are stored;

means for receiving the control signal sent from said receiver to the transmission path, switching a file to be retrieved based on the control signal, and retrieving the file from said accumulating means; and

15 means for encoding a media signal in the retrieved file for transmission to the transmission path.

12. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 monitoring means for monitoring an amount of accumulation in a buffer for storing a media signal; and

control means for sending a control signal to a transmission path when the amount of accumulation exceeds a predefined threshold or falls short of the threshold, and

10 said transmitter comprises:

accumulating means for storing a media signal;

converting means for receiving the control signal sent from said receiver to the transmission path, and retrieving the media signal from said accumulating means with converting a bit rate based on the control signal; and

15 means for encoding the retrieved media signal for transmission to the transmission path.

13. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 monitoring means for monitoring a receiving situation on the transmission path; and

control means for sending a control signal to the transmission path when the receiving situation changes to a predefined situation, and

said transmitter comprises:

10 accumulating means for storing a media signal;

converting means for receiving the control signal sent from said receiver to the transmission path, and retrieving the media signal from said

accumulating means with converting a bit rate based on the control signal; and

15 means for encoding the retrieved media signal for transmission to the transmission path.

14. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiving means comprises:

5 monitoring means for monitoring an amount of accumulation in a buffer for storing a media signal; and

control means for sending a control signal to the transmission path when the amount of accumulation in the buffer exceeds a predefined threshold or falls short of the threshold, and

10 said transmitter comprises:

accumulating means for storing a media signal;

means for receiving the control signal sent from said receiver to the transmission path, reading and delivering the media signal stored in said

accumulating means based on the control signal from said accumulating

15 means at time intervals different from time intervals at which the media signal was encoded; and

means for encoding the delivered media signal for transmission to the transmission path.

15. A transmission/reception system comprising a transmitter for transmitting a media signal to a transmission path, and a receiver for receiving a media signal from said transmitter through the transmission path, wherein:

said receiver comprises:

5 monitoring means for monitoring a receiving situation on the transmission path; and

control means for sending a control signal to the transmission path when the receiving situation changes to a predefined situation, and

said transmitter comprises:

10 accumulating means for storing a media signal;

means for receiving the control signal sent from said receiver to the transmission path, and reading and delivering the media signal stored in said accumulating means from said accumulating means based on the control signal at time intervals different from time intervals at which the media signal

15 was encoded; and

means for encoding the delivered media signal for transmission to the transmission path.

16. A reception method comprising the steps of:

monitoring an amount of accumulation in a buffer for storing a media

signal received from a transmission path;

sending a predetermined control signal to the transmission path when

- 5 the amount of accumulation in the buffer exceeds a predefined threshold or falls short of the threshold; and

carrying out a control such that data is received before data in said buffer is exhausted.

17. A reception method comprising the step of:

monitoring a receiving situation from a transmission path; and

sending a predetermined control signal to the transmission path when the receiving situation changes to a predetermined situation.

18. The reception method according to claim 17, wherein said predetermined situation is a radio handover.

19. A transmission method comprising the steps of:

storing at least two types of media signals at different bit rates in an accumulation unit;

- 5 receiving a control signal from a transmission path, and retrieving the media signal from said accumulation unit with switching the bit rate based on the control signal; and

encoding the retrieved media signal for transmission to the transmission path.

20. A transmission method comprising the steps of:

storing at least two or more types of files in which at least two types of



media signals at different bit rates are stored in an accumulation unit;

receiving a control signal from a transmission path, switching a file

5 based on the control signal, and retrieving the file from said accumulation unit;  
and

encoding a media signal in the retrieved file for transmission to the  
transmission path.

21. A transmission method comprising the steps of:

receiving a control signal from a transmission path;

changing a bit rate of a media signal stored in an accumulation unit

based on the control signal and retrieving the media signal; and

5 encoding the retrieved media signal for transmission to the transmission  
line.

22. A transmission method comprising the steps of:

receiving a control signal from a transmission path; and

reading and delivering a media signal from an accumulation unit for

storing the media signal based on the control signal at time interval different

5 from time intervals at which the media signal is encoded.

23. A transmission/reception method comprising the steps of:

in a receiver for receiving a media signal through a transmission path,

monitoring an amount of accumulation in a buffer for storing the media signal;

sending a control signal from said receiver to the transmission path

5 when the amount of accumulation exceeds a predefined threshold or falls short  
of the threshold;

in a transmitter for transmitting the media signal to the transmission path,  
storing at least two types of media signals at different bit rates to accumulation  
unit;

- 10        upon receipt of the control signal sent from said receiver to the  
transmission path, and retrieving the media signal from said accumulating  
means with switching the bit rate based on the control signal; and  
encoding the retrieved signal for transmission from said transmitter to  
the transmission path.

24. A transmission/reception method comprising the steps of:

in a receiver for receiving the media signal through a transmission path,  
monitoring an amount of accumulation in a buffer for storing the media signal;

sending a control signal from said receiver to the transmission path

- 5        when the amount of accumulation in said buffer exceeds a predefined  
threshold or falls short of the threshold;

in a transmitter for transmitting the media signal to the transmission path,  
storing at least two or more types files in which at least two types of media  
signals at different bit rates are stored in an accumulation unit;

- 10        receiving the control signal sent from said receiver to the transmission  
path at said transmitter;

switching a file based on the control signal, and retrieving the file from  
said accumulation unit; and

- 15        encoding a media signal in the retrieved file for transmission to the  
transmission path.

25. A transmission/reception method comprising the steps of:

in a receiver for receiving a media signal through a transmission path,  
monitoring a receiving situation on the transmission path;

sending a control signal from said receiver to the transmission path

5 when the receiving situation changes to a predefined situation;

in a transmitter for transmitting a media signal to the transmission path,  
storing at least two types of files in which at least two types of media signals at  
different bit rates are stored in an accumulation unit ;

receiving the control signal sent from said receiver to the transmission  
10 path at said transmitter;

switching a file based on the control signal, and retrieving the file from  
said accumulation unit; and

encoding a media signal in the retrieved file for transmission from said  
transmitter to the transmission path.

26. A transmission/reception method comprising the steps of:

in a receiver for receiving the media signal through a transmission path,  
monitoring an amount of accumulation in a buffer for storing the media signal;

sending a control signal from said receiver to the transmission path

5 when the amount of accumulation in said buffer exceeds a predefined  
threshold or falls short of the threshold;

in a transmitter for transmitting a media signal to the transmission path,  
receiving the control signal sent from said receiver to the transmission path;

retrieving the media signal from an accumulation unit which stores the  
10 media signal with changing a bit rate based on the control signal; and

encoding the retrieved media signal for transmission from said  
transmitter to the transmission line.

27. A transmission/reception method comprising the steps of:

in a receiver for receiving a media signal through a transmission path,  
monitoring a receiving situation on the transmission path;

sending a control signal from said receiver to the transmission path

5 when the receiving situation changes to a predefined situation;

in a transmitter for transmitting a media signal to the transmission path,  
receiving the control signal sent from said receiver to the transmission path;

retrieving the media signal from an accumulation unit which stores the  
media signal with changing a bit rate based on the control signal; and

10 encoding the retrieved media signal for transmission from said  
transmitter to the transmission line.

28. A transmission/reception method comprising the steps of:

in a receiver for receiving a media signal through a transmission path,  
monitoring an amount of accumulation in a buffer for storing the media signal;

sending a control signal from said receiver to the transmission path

5 when the amount of accumulation in said buffer exceeds a predefined  
threshold or falls short of the threshold;

in a transmitter for transmitting a media signal to the transmission path,  
receiving the control signal sent from said receiver to the transmission path;

10 reading and delivering a media signal stored in an accumulation unit of  
said transmitter based on the control signal at time intervals different from time  
intervals at which the media signal is encoded; and

encoding the delivered media signal for transmission from said  
transmitter to the transmission path.

29. A transmission/reception method comprising the steps of:

in a receiver for receiving a media signal through a transmission path,  
monitoring a receiving situation on the transmission path;  
sending a control signal from said receiver to the transmission path

5 when the receiving situation changes to a predefined situation;

in a transmitter for transmitting a media signal to the transmission path,  
receiving the control signal sent from said receiver to the transmission path;  
reading and delivering a media signal stored in an accumulation unit of  
said transmitter based on the control signal at time intervals, different from time

10 intervals at which the media signal is encoded, from said accumulation unit;  
and

encoding the delivered media signal for transmission from said  
transmitter to the transmission path.